



## Joint Base Charleston - Air Environmental Restoration Program Charleston, South Carolina



### STATEMENT OF BASIS

#### Joint Base Charleston-Air Charleston, South Carolina

**Facility/Unit Type:** Joint Base Charleston-Air (JB CHS-Air)/Area of Concern (AOC) Q (SS046)

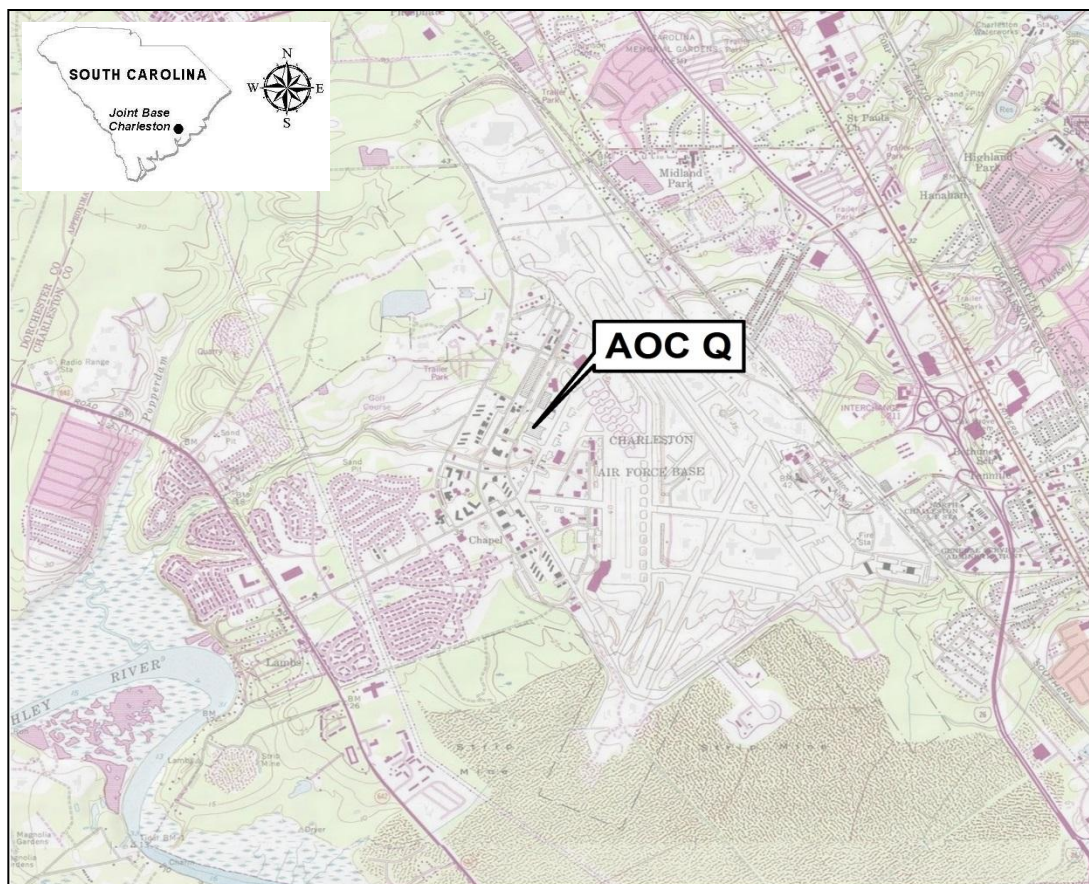
**Contaminants:** None

**Media:** None

**Proposed Remedy:** No Further Action (NFA)

### INTRODUCTION

The purpose of this Statement of Basis (SB) is to present the decision for AOC Q (SS046), which is No Further Action (NFA), and to invite public comment on this proposal. This SB provides AOC Q (SS046) background information and explains the reasons why NFA is proposed. See **Figure 1** for a facility location map.

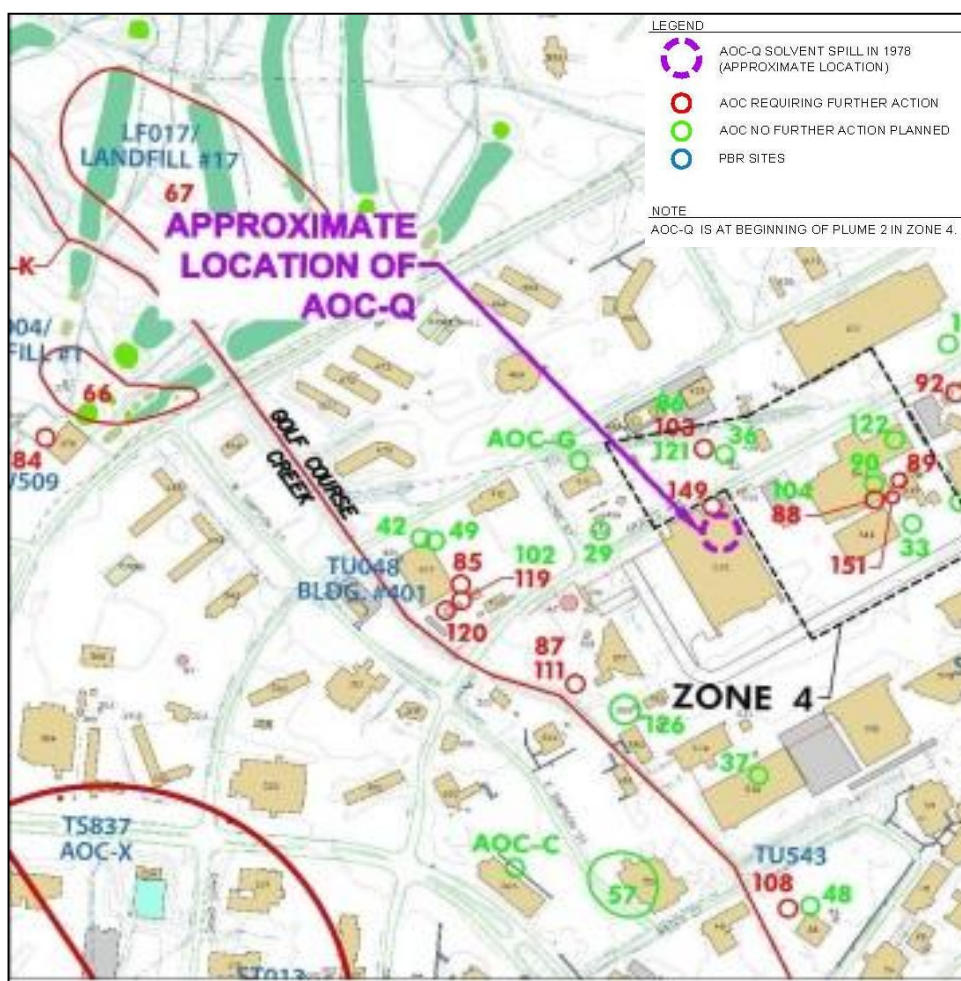


**Figure 1. AOC Q (SS046) Site Location – Joint Base Charleston - Air, SC**

Joint Base Charleston-Air (JB CHS-Air) is located in Charleston County, approximately 10 miles northwest of Charleston, South Carolina. JB CHS-Air comprises 3,731 acres of contiguous property with a Base population of approximately 8,500. The host command at JB CHS-Air is the 628th Air Base Wing,

whose primary mission is to maintain immediate airlift capability to deliver and sustain air and combat forces to combat locations throughout the world. During peacetime, operations include re-supply of overseas American embassies and military installations and supply of aid to natural disaster areas.

This SB presents the proposed remedy that NFA is selected for AOC Q (SS046). A site map for AOC Q (SS046) is provided as **Figure 2**; the approximate location of AOC Q (SS046) is noted on the figure. JB CHS-Air and South Carolina Department of Health and Environmental Control (DHEC) jointly developed the specific site remedy described herein and are issuing this SB as part of their public participation responsibilities under Section 7004(b) of the Resource Conservation and Recovery Act (RCRA) Title 42, United States Code (U.S.C.) Section 6974(b), and applicable state law. This document is intended to inform the general public of the proposed remedy for this site and follows the United States Environmental Protection Agency (USEPA) Office of Solid Waste and Emergency Response (OSWER) Directive 9902.6. DHEC will not approve the proposed remedy until the public comment period has ended and all information submitted during the public comment period has been reviewed and considered. DHEC may modify the proposed corrective action or select another action based on new information or public comments received on this proposal. Therefore, the public is invited to review and comment on all alternatives, including any potential corrective measures that were not previously considered.



**Figure 2 Site Map of AOC Q (SS046) – (From URS, December 4, 2012)**  
**Joint Base Charleston-Air, SC**

The information summarized in this SB can be found in greater detail in documents contained in the Information Repository for this facility. This SB does not replace those documents. Historical documents can be found in the administrative record at JB CHS-Air and the DHEC office located in Columbia, South Carolina (addresses provided at the conclusion of this document). DHEC encourages the public to review these documents in order to gain a more thorough understanding of the site and the activities that have been conducted.

## **PROPOSED REMEDIES**

The recommended alternative for AOC Q (SS046) is NFA. This remedy was selected by DHEC in the March 28, 2013 approval letter for the *Request to Associate AOC Q (PD-680 Solvent Spill) with SWMU 149 (Building 532) within Zone 4* (URS, Inc. [URS], December 4, 2012).

## **SITE BACKGROUND**

AOC Q (SS046) is referred to in the *RCRA Part B Hazardous Waste Management Permit* SC8 170 022 620 (the RCRA Part B Permit) as the PD-680 Solvent Spill that occurred in 1978. The spill was reportedly cleaned up immediately, but the exact location of the spill is unknown. Interviews of Base personnel conducted in 2011 identified the immediate area of Building 532 as the only area of the Base that would have handled PD-680. Common synonyms for PD-680 (used for cleaning and degreasing metal parts) include petroleum distillates, petroleum naphtha, Stoddard Solvent, and mineral spirits. Building 532 is also located within Solid Waste Management Unit (SWMU) 149, which is part of the Zone 4 Plume 2 groundwater contamination plume.

## **SITE INVESTIGATIONS**

According to the *AOC Q Site Association with SWMU 149 in Zone 4* letter (URS, December 4, 2012), Base personnel recorded spills and other incidents, but were not required to record the exact location of spills or other incidents until 1986. During the week of October 28, 2011, URS conducted a file review of existing environmental and Civil Engineering (CE) files. However, the research revealed nothing conclusive. Interviews conducted with the Deputy Base Civil Engineer (who has been employed at the installation for over 36 years) and the Base Assistant Fire Chief identified Building 532 as the only location where PD-680 would have been handled. SWMU 149 is located in the northwest corner of Building 532, which is documented to have had these chemical compounds, and is currently being remediated as part of the Zone 4 (SS042) site.

The DHEC reviewed the request to associate AOC Q (SS046) with SWMU 149 with respect to the South Carolina Hazardous Waste Management Regulations, the RCRA Part B Permit, and other guidance documents. Based on the inability to determine the exact location of AOC Q (SS046), and the high probability that any contamination originating from AOC Q (SS046) would be addressed by the ongoing remedial actions being undertaken at Zone 4, the DHEC approved the request to associate AOC Q (SS046) with SWMU 149 in Zone 4 and grant NFA status to AOC Q (SS046) in a letter dated March 28, 2013.

## **SUMMARY OF SITE RISKS**

Interviews and file reviews conducted in October 2011 indicate AOC Q (SS046) is likely associated with SWMU 149 (Zone 4) which is known to have used chemical compounds similar to those formerly used at Building 532. Impacts associated with AOC Q (SS046) are being addressed by ongoing remedial actions at SWMU 149. Based on the current and historical information, AOC Q (SS046) presents no unacceptable risk for any future use.

## **SCOPE OF CORRECTIVE ACTION**

NFA is selected for AOC Q (SS046).

## **CONTINGENCY REMEDIES**

Contingency remedies are not necessary for NFA at AOC Q (SS046).

## **ANTICIPATED IMPACTS OF CLEANUP ON THE LOCAL COMMUNITY**

No significant impacts to the local community are associated with the proposed NFA at AOC Q (SS046).

## **STATUTORY AUTHORITIES**

This document is being issued in accordance with 40 Code of Federal Regulations (CFR), in compliance with federal hazardous waste management requirements. The JB CHS-Air Corrective Action Program is conducted under the authority of Sections 3004(u), 3004(v), 3005(c)(3), 3008(h), 3013, 6001, and 7003 of the RCRA (42 U.S.C. 6901 et seq.) as amended by the Hazardous & Solid Waste Amendment of 1984 (HSWA) (Pub. L. No. 98-616, 98 Stat. 3221) and the Federal Facility Compliance Act of 1992 (FFCA) (Pub. L. 102-386, 106 Stat. 1505). This SB is part of the corrective action process and is a requirement of the RCRA Part B Hazardous Waste Management Permit SC8 170 022 620t, issued to JB CHS-Air by DHEC.